

METHOD AND DEVICE FOR MEASURING MULTIPLE PHYSIOLOGICAL PROPERTIES OF CELLS

Abstract

A method of analyzing cells disposed in media within a vessel includes the steps of providing a vessel having an original volume of media about the cells, reducing the original volume of media about at least a portion of the cells to define a reduced volume of media, and analyzing a constituent related to the cells within the reduced volume of media. An apparatus for analyzing cells includes a stage adapted to receive a vessel holding cells and a volume of media, a plunger adapted to receive a barrier to create a reduced volume of media within the vessel including at least a portion of the cells, the barrier adapted for insertion into the vessel by relative movement of the stage and the plunger, and a sensor in sensing communication with the reduced volume of media, wherein the sensor is configured to analyze a constituent disposed within the reduced volume.